

CLAIMS

1. A light emitting device comprising:
a plurality of light emitting layers which are stacked
5 between a first electrode and a second electrode; and
a layer comprising an organic compound and a metal oxide
between one of the plurality of light emitting layers and the
first electrode,
wherein at least one distance from one of the plurality
10 of light emitting layers to the first electrode is in a range
of oddly multiplied 1/4 wavelength $\pm 10\%$.

2. A light emitting device comprising:
a plurality of light emitting layers each emitting a
15 color different from each other which are stacked between a
first electrode and a second electrode; and
a layer comprising an organic compound and a metal oxide
between one of the plurality of light emitting layers and the
first electrode,
20 wherein at least one distance from one of the plurality
of light emitting layers to the first electrode is in a range
of oddly multiplied 1/4 wavelength $\pm 10\%$.

3. A light emitting device comprising:
25 a plurality of light emitting layers emitting a color
which are stacked between a first electrode and a second
electrode; and
a layer comprising an organic compound and a metal oxide
between one of the plurality of light emitting layers and the
30 first electrode,

wherein at least one distance from one of the plurality of light emitting layers to the first electrode is in a range of oddly multiplied 1/4 wavelength ±10%.

5 4. A light emitting device comprising:

a stacked layer type light emitting element in which a plurality of light emitting layers are stacked between a first electrode and a second electrode; and

10 a single-layer type light emitting element having one light emitting layer between a third electrode and a fourth electrode,

wherein at least one distance from one of the plurality of light emitting layers to the first electrode is in a range of oddly multiplied 1/4 wavelength ±10%.

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5. A light emitting device comprising:

a stacked layer type light emitting element in which a plurality of light emitting layers emitting a color are stacked between a first electrode and a second electrode; and

20 a single-layer type light emitting element having one light emitting layer between a third electrode and a fourth electrode,

wherein at least one distance from one of the plurality of light emitting layers to the first electrode is in a range 25 of oddly multiplied 1/4 wavelength ±10%.

6. The light emitting device according to Claims 4 or 5,

30 wherein a distance from the light emitting layer to the third electrode is in a range of oddly multiplied 1/4 wavelength

±10%.

7. The light emitting device according to any one of Claims 1 to 5,

5 wherein the metal oxide is a vanadium oxide, a molybdenum oxide, a niobium oxide, a rhenium oxide, a tungsten oxide, a ruthenium oxide, a titanium oxide, a chromium oxide, a zirconium oxide, a hafnium oxide, or a tantalum oxide.

10 8. The light emitting device according to any one of Claims 1 to 5,

wherein the organic compound is a hole transporting material.

15 9. The light emitting device according to any one of Claims 1 to 5,

wherein the metal oxide exhibits an electron accepting property to the organic compound.

20 10. The light emitting device according to any one of Claims 1 to 5,

wherein each of the plurality of light emitting layers exhibits red, blue or green.